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# 1985 Annual Report



# EIERA

Environmental Improvement and Energy Resources Authority





State of Missouri

John Ashcroft, Governor

Department of Natural Resources

Frederick A. Brunner, Director

**State Environmental Improvement and  
Energy Resources Authority**

Jefferson Building, 12th Floor  
P.O. Box 744  
Jefferson City, Missouri 65102  
Telephone 314/751-4919

June 1986

Lehman Finch, Chairman  
Marvin O. Young, Vice Chairman  
J. Glennon Travis, Secretary-Treasurer  
Robt. J. Baudendistel, Asst. Secretary-Treasurer  
John M. Wise

Stephen Mahfood, Director  
Marie Colvin, Executive Secretary

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MISSOURI DEPOSITORY

JUL 22 1986

Dear Friend:

The Environmental Improvement and Energy Resources Authority is pleased to present to you its 1985 Annual Report.

It is the Authority's desire that this report be used to publicize the Authority's activities and to encourage contact with communities, individuals and industry seeking information and assistance on environmental and energy project financing. The Authority feels that it is going to take a concerted effort on the part of industry, both large and small, government and private citizens to find solutions to environmental and energy problems while promoting economic development.

On behalf of the Authority and myself, I encourage you to use this report and to make sure it is available to others. Thank you.

Sincerely,

A handwritten signature in dark ink, appearing to read "Stephen Mahfood".

Stephen Mahfood  
Director

SM/mc

Enclosure



JOHN ASHCROFT  
Governor

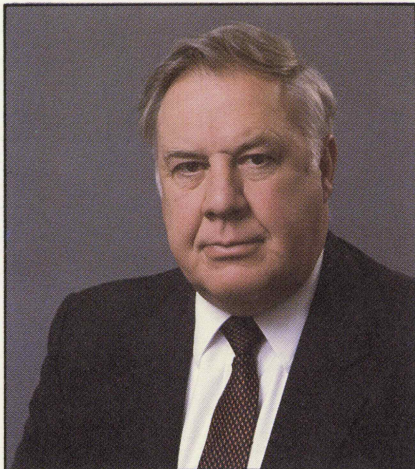
FREDERICK A. BRUNNER  
Director



STATE OF MISSOURI  
DEPARTMENT OF NATURAL RESOURCES

Division of Energy  
Division of Environmental Quality  
Division of Geology and Land Survey  
Division of Management Services  
Division of Parks and  
Historic Preservation

OFFICE OF THE DIRECTOR  
1915 Southridge Drive  
P.O. Box 176  
Jefferson City, Missouri 65102  
Telephone 314-751-4422



*Frederick A. Brunner, Ph.D., P.E.*  
*Director*  
*Missouri Department of Natural Resources*

Dear Citizens:

The Environmental Improvement and Energy Resources Authority (EI ERA), within the Missouri Department of Natural Resources, protects Missouri's environment by supporting projects that prevent pollution of land, air, and water.

Missouri communities, as well as private and public companies, have received tax-free bonds, loans and grants to purchase air pollution control equipment, to modernize facilities at wastewater sewage treatment plants, and to establish recycling and conservation programs.

Additionally, the EI ERA has helped to expand the state's economy by financing energy development projects. In a similar fashion, the authority will consider financing trash-to-energy projects that will minimize land disposal and provide a valuable energy source for Missouri communities.

The department staff will continue to work closely with the authority to assist in the development of projects that safeguard the environment and preserve the state's natural resources.

Much success to the authority and its staff in the coming year.

Sincerely,

DEPARTMENT OF NATURAL RESOURCES

A stylized, handwritten signature of Frederick A. Brunner in black ink.

Frederick A. Brunner, Ph.D., P.E.  
Director



# Table of Contents



- 2** Letter from Lehman Finch, LL.B., chairman, Environmental Improvement and Energy Resources Authority
- 3** The EIERA — An Overview of its History and Purpose
- 4** Members of the EIERA and Biographical Information
- 5** EIERA Staff
- 6** EIERA Programs and Financial Services
- 7** Cumulative Summary of Projects and Activities in 1985
- 8** The Year in Review — Projects and Facilities that Received Assistance in 1985
- 12** Geographical Locations of Projects Financed
- 14** Chronological Listing of Projects Financed by the EIERA from 1972 through 1985

## Authority General Counsel

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The 1985 Annual Report of the Environmental Improvement and Energy Resources Authority is published as a service to the citizens of the state of Missouri, and as a public record of the activities and programs administered during the past year.

EIERA  
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**Editorial Staff:** Writing, editing, and related services were provided by Kenneth Seeney, Office of Public Affairs, Missouri Department of Natural Resources. Photography was provided by Nick Decker, Department of Natural Resources; Jim Visser (St. Louis); Mike Mihalevich (Overland Park, Kan.); the Jeders Studios (Cape Girardeau); Chrysler Corp.; Union Electric Co.; Associated Electric, Inc.; Mobay Chemical Co.; and the Regional Recycling Program (Kansas City, Mo).





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Lehman Finch, Chairman  
Elmer W. Smitt, Vice Chairman  
Lenore H. Loeb, Secretary-Treasurer  
John M. Wise  
Marvin O. Young

Stephen Mahfood, Director  
Marie Colvin, Executive Secretary

Dear Fellow Missourians:

The Environmental Improvement and Energy Resources Authority experienced one of its most productive terms during the past year.

During 1985, the EIERA provided low-cost tax-exempt financing totaling \$145 million to the business community. These projects included financing for facilities operated by Union Electric, Chrysler Corp., Mobay Chemical, and Reynolds Metals Co.

In addition to large projects, funds were provided for small, innovative projects. A Kansas City clearinghouse and recycling program received funds to cover operating costs. Also, an organization based in Clinton, was provided funds to assist small Missouri communities that have to meet stringent water pollution guidelines. Additionally, the authority financed a study that focused on Missouri's small hazardous-waste generators; the study provided statistics and regulatory guidance for use by government and industry.

I have a positive outlook for 1986 and the authority anticipates another successful year. I am aware that there are bills pending in the U.S. Congress that may alter some of EIERA's programs. However, the authority is seeking to ensure that industrial revenue bonds and/or other types of funding will be available to communities and industry for projects that prevent pollution or encourage energy development.

The authority wishes you a prosperous 1986.

Sincerely,

ENVIRONMENTAL IMPROVEMENT AND ENERGY RESOURCES AUTHORITY

A handwritten signature in cursive script, reading "Lehman Finch".

Lehman Finch, LL.B.  
Chairman



# The EIERA —

## An Overview of its History and Purpose

The Environmental Improvement and Energy Resources Authority (EIERA), an independent five-member agency, was created by the Missouri legislature in 1972. The authority's mandate is to provide low-interest financing for projects that would reduce, control, and prevent damage to the environment and encourage research and development of energy alternatives while promoting economic development.

The passage of House Bill 506 during the 81st general session, House Bill 528 during the 82nd session, and House Bill 807 during the 83rd session of the Missouri General Assembly transferred the EIERA to the Missouri Department of Natural Resources and added major new responsibilities to the authority's operation.

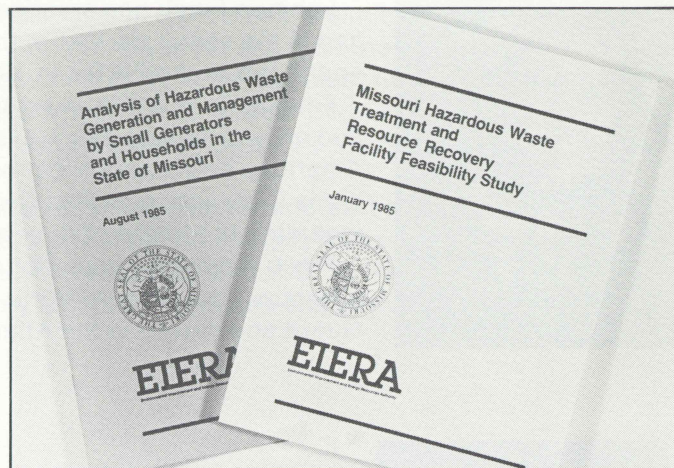
The EIERA's traditional method of financing has been, and continues to be, through the issuance of tax-exempt interest industrial revenue bonds. The proceeds of the bonds are used for the construction of pollution control or energy resource projects. The bonds are repayable solely by the companies who construct the projects. The state of Missouri does not guarantee repayment of the bonds. Since the authority issues the bonds and because the bonds meet certain requirements contained in the Internal Revenue Code, interest from the bonds are exempt from federal income taxes.

Another financial program developed by the authority in 1982 was the Grant Anticipation Note (GAN) program. The GAN program provides temporary funds to governmental units for construction costs until grant monies are received. EIERA also has issued bond anticipation notes to provide monies to local governments through the issuance of revenue bonds purchased by the Farmers Home Administration (FHA).

The EIERA's ability to offer tax-free financing is substantially influenced by prevailing interest rates and the condition of the bond market. When interest rates decline and the bond market is favorable for bond issuers, businesses are more likely to seek tax-free financing of their projects.

The EIERA's first bond issuance took place in December 1973 and since that date the authority has issued tax-exempt bonds, notes, and commercial paper in an amount that exceeds \$1.5 billion dollars.

The EIERA also has the authority to establish alternative methods of financing environmental and energy facility projects. These methods include direct loans, loan guarantees backed by bond issuance proceeds, sale-leaseback arrangements, and direct grants. Financing may be obtained for solid waste, sewage, resource recovery, and water and air pollution control facilities.



Also, projects that focus on energy production such as wind, water, solar, synthetic fuels, and energy produced by utilizing Missouri coal, heavy oil, and tar sands are eligible for assistance. Other requirements are established as programs develop.

One of the most important advantages of EIERA programs is that most projects are financed through low-cost funding alternatives, thereby substantially reducing costs.

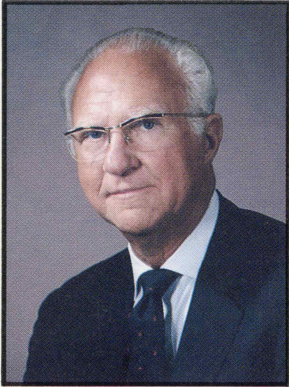
Because of the legislative mandate to provide assistance, the EIERA does not perform a regulatory role. Therefore, the authority's financing and assistance are available only on request. The authority is completely self-supporting and the fees it charges to applicants for financing are sufficient to pay the authority's operating expenses. The authority reimburses all appropriations received from the General Revenue Fund.

In addition to the financing mentioned previously, the authority has for the past several years provided Missouri's contribution to the Midwest Industrial Waste Exchange, a waste exchange service for businesses and companies, operated by the St. Louis Regional Commerce and Growth Association (RCGA). In regard to research, the authority conducted and financed two major studies last year: one study examined the technical and economic feasibility of constructing a hazardous waste treatment facility in Missouri and the other was an analysis of waste generation and management by Missouri households and small generators.

The Environmental Improvement and Energy Resources Authority continues to benefit Missourians by maintaining high environmental standards through the financing and construction of projects that control pollution and encourage the wise use of the state's natural resources for energy development.



# Members of the EIERA



## **Lehman Finch, Chairman**

Lehman Finch has practiced law in the Cape Girardeau area for more than 46 years and is the senior partner in the law firm of Finch, Bradshaw, Strom & Steele. He was appointed to the EIERA in 1982 and was elected chairman in 1983.

Finch is involved in community activities and is a member of several professional and civic organizations. He is a member of the American Judicature Society, and the American and Missouri bar associations. He is past president of the Cape Girardeau Lions Club and local Red Cross chapter. He currently serves on several boards, including the board of directors for Cape Girardeau's Centerre Bank.

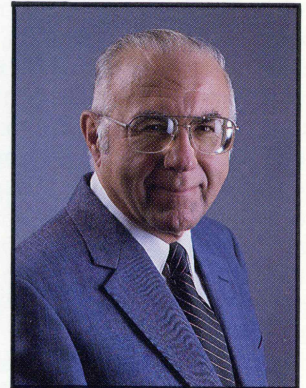
Finch received a bachelor of arts degree and his law degree from the University of Missouri-Columbia. A World War II veteran, he was a lieutenant in the U. S. Coast Guard and served in the Atlantic and Pacific theaters.

## **Elmer W. Smitt, Vice Chairman**

Elmer Smitt retired in December 1984 after being employed at the Nooter Corp. for 47 years. The St. Louis-based firm employs 1200 people and is a custom metal fabricator for the chemical and petroleum industries. He was appointed to the EIERA in 1983 and serves as vice chairman and assistant secretary.

Smitt was vice president at the Nooter Corp. for 12 years and from 1974 to 1984 was a member of the board of directors. During his association with the Nooter Corp., Smitt held memberships in several industry-related organizations. He was a member of the board of directors for the Associated Industries of Missouri, and worked closely with the Missouri Chamber of Commerce and the St. Louis Regional Commerce and Growth Association.

After serving a four-year military tour in the medical corps, Smitt graduated from St. Louis University in 1946 with an associate degree in commerce and finance. He is a member of the Lutheran Church of the Resurrection, and lives in Sappington, a St. Louis suburb. Smitt, and his wife, have a daughter and a son.



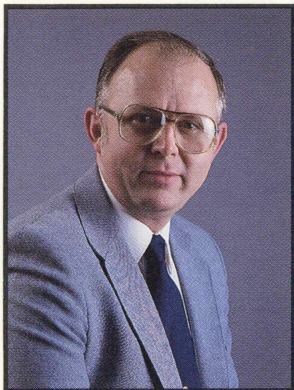
## **Lenore H. Loeb, Secretary-Treasurer**

Lenore Loeb has served as the authority's secretary-treasurer since being appointed to the EIERA in 1983. Mrs. Loeb graduated from Wellesley College, Wellesley, Mass., with a degree in botany; she worked as a medical researcher at Washington University's School of Medicine, St. Louis, for three years.

Mrs. Loeb is very active in several organizations and is currently president of the Missouri League of Women Voters and directed the league's energy program for six years. On the national level, she was a member of the league's nominating committee from 1984 to 1986. Additionally, Mrs. Loeb was a member of the Governor's Task Force on Low-Level Radioactive Waste (1981-84), and the Consumer Affairs Advisory Committee for the U.S. Department of Energy (1976-79). She is currently a board member and chairperson of the allocations committee for the Greater St. Louis Arts and Education Council.

Mrs. Loeb's involvement in community affairs was recognized by the *St. Louis Globe-Democrat* when she was selected as a "Woman of Achievement" for 1985. Mrs. Loeb and her husband have two daughters and two sons.





### **John M. Wise, Member**

John Wise is manager of regulatory affairs for Farmland Industries, Inc., a Kansas City-based farmer/rancher cooperative. He was appointed to the authority in 1983 by Gov. Christopher S. Bond.

A native of Idaho, Wise graduated from Arlington State College, Arlington, Tex., majoring in chemistry and mathematics. During the past 16 years, he has worked closely with state and federal agencies that implement regulations related to the manufacture, transportation and disposal of agriculture chemicals. These laws have included the Federal Insecticide Act, the Clean Air Act, and the Clean Water Act. Before accepting his current position in 1975, Wise was plant manager and director of quality assurance for six years at Stephenson Chemical Co., College Park, Ga. He also worked for two Texas firms: Bell Helicopter Corp., Ft. Worth, and Texas Instruments, Dallas.

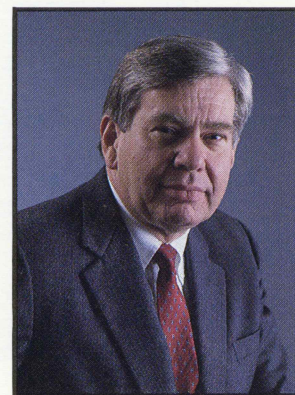
Wise is active in several professional and civic organizations. He is treasurer and past president of the Pesticide Producers Association; a member of the National Agriculture Chemical Association's Regulatory Committee, and served on the Administrator's Pesticide Advisory Committee for EPA. His civic duties include board member and past president of the Clay-Platte County Chapter, American Diabetes Assoc., and member of the Masonic Lodge. He and his wife have three sons.

### **Marvin O. Young, Member**

In 1985, Marvin Young retired from the St. Louis-based Peabody Holding Co., Inc., after serving two years as general counsel and 15 years as vice president, general counsel, and secretary for the Peabody Coal Co., a subsidiary of the parent firm. He is now associated with Gallop, Johnson & Newman, a St. Louis law firm employing 34 attorneys. He has served as a member of the EIARA since 1983.

Young graduated magna cum laude from Westminster College, Fulton, with a bachelor of arts degree. He received his juris doctorate degree from the University of Michigan, Ann Arbor. He began his law career at the St. Louis firm of Thompson & Mitchell and then served in the U.S. Air Force as a judge advocate (lawyer). Also, he has served as an attorney for the Missouri Farmers Association, Inc.

Young participates in many civic and community activities. He was a trustee and former chairman of the St. Louis Metropolitan Sewer District and serves as vice chairman of the board of trustees for Westminster College. From 1973 to 1977, he was a member of the Missouri Energy Council. He is a member of the Missouri, American, and St. Louis bar associations, the St. Louis Round Table, St. Louis Rotary Club, and the Missouri Athletic Club. Young is a member of St. Matthews Episcopal Church; he and his wife have a daughter and a son.



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## **EIARA Staff**



**Stephen M. Mahfood**  
*Director*

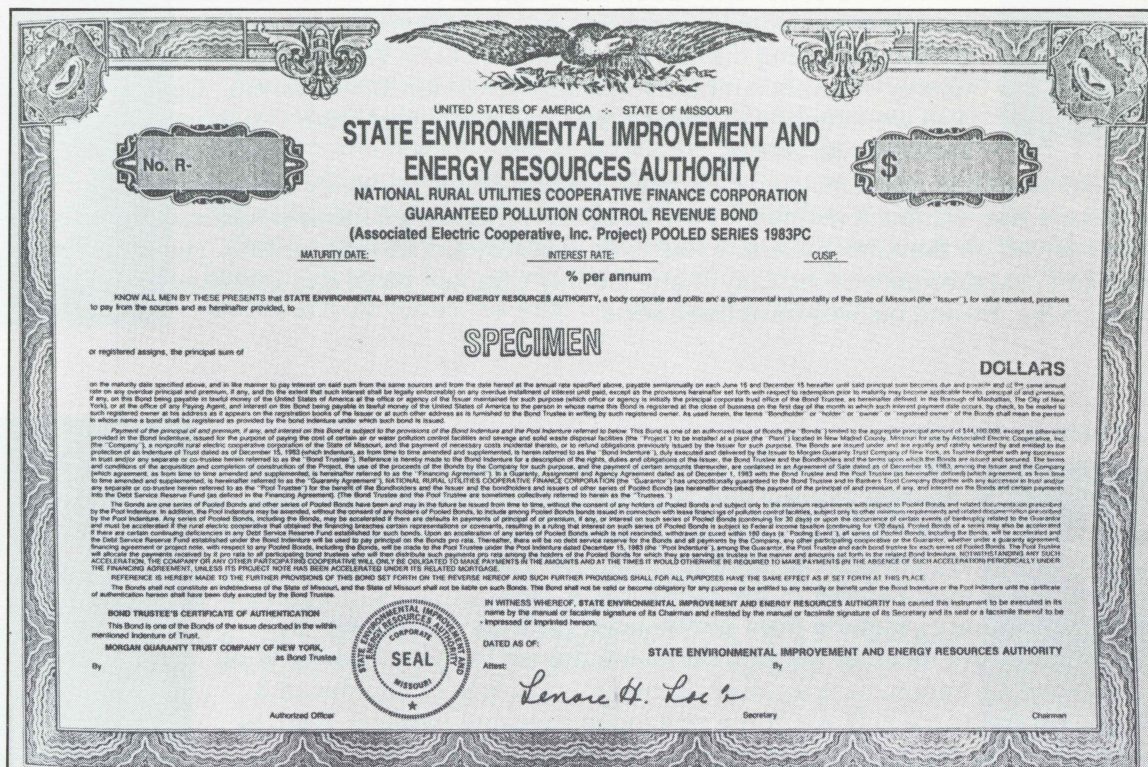


**Marie Colvin**  
*Executive Secretary*



# EIERA Programs and Financial Services

The Environmental Improvement and Energy Resources Authority assists Missouri communities, as well as public and private companies, in financing projects at the lowest possible cost. The EIERA offers several types of traditional financing which may consist of the following:



## 1. Commercial Paper

An option that offers the lowest rates, shortest maturities, and most flexibility to borrowers who have sufficient credit to obtain a guaranteed bank take-out. Maturities average about 45 days and notes are fully secured and repayable on the borrower's own schedule.

## 2. Floating or Fixed-Rate Notes

The interest rate on these instruments either floats with the rate adjusted periodically or is fixed for the term of the maturity. The borrower is able to take advantage of lower interest rates while planning long-term financing according to projected needs. The notes are issued privately, prepayable, and are fully secured.

The EIERA also provides low-cost construction financing for wastewater treatment facilities and sanitary sewage projects that are expecting to receive funds from the U.S. Environmental Protection Agency or Farmer's Home Administration.

In addition, the EIERA is developing alternative financing methods that include bond and loan guarantees, sale-leaseback arrangements, and an alternative energy bond fund. Direct loans for feasibility studies and small project grants also will be considered.

The EIERA staff can advise prospective applicants in regard to financial options currently being offered.

## 3. Short-to-Intermediate-Term Bonds

A variation of traditional fixed-rate, long term loans, these amortized bonds are for borrowers who desire shorter prepayment provisions and can generate sufficient revenues to retire the principal over a period ranging from 10-15 years, with a five-to eight-year prepayment provision.

## 4. Long-Term Bonds

The traditional 20- to 30-year fully amortized term bond is issued at prevailing rates. This type of instrument offers the security of fixed rates and the opportunity to stabilize interest costs in an unstable market while matching a longer term liability with the expected useful life of the asset.



# EIERA Projects Financed in 1985

## Bond or Bond-Related Financings

	<u>Location</u>	<u>Amt. Financed</u>	<u>Date Financed</u>
Union Electric Co.	St. Louis	126,500,000	4/24/85
Community Development Program	various municipalities	\$ 15,000,000	6/11/85
Grant Anticipation Note Program	various municipalities	90,000,000	7/09/85
Chrysler Corp.	St. Louis	16,000,000	10/30/85
Mobay Chemical Corp.	Kansas City	1,600,000	12/05/85
Reynolds Metals Co.	Kansas City	750,000	12/31/85
TOTAL:		<u>\$249,850,000</u>	

## Other Project Financings and Assistance

	<u>Location</u>	<u>Amount</u>
Grant Anticipation Program Rebates	19 Missouri Municipalities	\$116,600 (rebated)
Missouri's Contribution to the Midwest Industrial Waste Exchange	Statewide	10,000
Study of the Impact of Hazardous Waste Generation and Management by Small Generators & Households in Missouri	Statewide	55,000
Innovative Project Grant to the Mid-America Regional Recycling Program	Kansas City	72,909
Innovative Project Grant to the Missouri Assistance Program	Statewide	<u>60,427</u>
TOTAL:		<u>\$314,936</u>







## The Year in Review

**I**n the past year, the Environmental Improvement and Energy Resources Authority provided financial assistance to more than 36 Missouri businesses and communities and provided information and consultation for more than 250 inquiries.

In 1985, the EIERA financed a hazardous waste study of Missouri's small commercial generators and households for use by government and private industry. The four-month study defined problems, provided regulatory guidance, and emphasized the need to educate Missouri's small hazardous waste generators about proper disposal methods.

EIERA's 40-page report said that Missouri's 12,700 small generators produce approximately 33,000 metric tons of hazardous waste per year. One metric ton is equal to 2,205 pounds.

It was estimated that 60 percent of the 33,000 metric tons is recycled or used as a fuel substitute. The report also indicated that 22,000 metric tons is recycled or burned for fuel and another 2,700 tons is disposed of at municipal landfills.

Missouri's large hazardous waste generators, small generators, and households produce 200,000 metric tons of waste per year. Annually, Missouri's two million households generate 47,000 metric tons of hazardous waste. Household wastes are kept in storerooms, garages, and basements and usually consist of oil, paints, pesticides, and solvents.

The report made several recommendations, including fostering a better understanding of



the special management techniques that should be practiced by small generators.

Additionally, EIERA's report made these recommendations:

- devise an in-plant technical assistance program to aid small generators at their respective companies;
- examine the existing collection system for hazardous waste to determine if collectors have the capability to service small generators;
- create an educational program for householders to improve their awareness of household waste management; and
- develop a collection program for household wastes because it is impractical and expensive for householders to dispose of hazardous wastes at licensed disposal facilities.

In 1985, more than \$145 million in low-cost tax-exempt interest financing for Missouri's business community was provided by the EIERA.

In addition, the EIERA, working with the St. Louis Metropolitan Sewer District (MSD), developed a financial package for Chrysler Corp. to install a trunk sewer line system to connect with MSD's new sewage treatment plant in Valley Park. This project will alleviate the pollution problems caused by an aging lagoon and provide the infrastructure for other companies in the area to participate in MSD's expanding system.

The EIERA also has developed two very innovative programs to assist communities in meeting wastewater treatment and sanitary sewage guidelines. The Grant Anticipation Note (GAN) program provides low-cost construction financing for those projects that will receive EPA funding. The second program also provides low-cost construction financing for communities that have arranged FHA loans, known as the Community Development Note (CDN) Program. The EIERA in both cases, issues bonds and then loans the proceeds to applicants for construction. This procedure simplifies the initial project phase and aids in reducing overall project costs. If managed as in the past,







these loans become either low interest or interest free.

The authority, in connection with the Grant Anticipation Note Program, issued loan rebates totaling more than \$116,000 to 19 Missouri communities. The excess funds were available because the EI ERA's structure allows the authority to build interest on money invested. Good money management and investing, therefore, allowed the 19 communities to receive interest-free loans for their projects. Additionally, many communities were issued rebates in proportion to the loan they initially received.

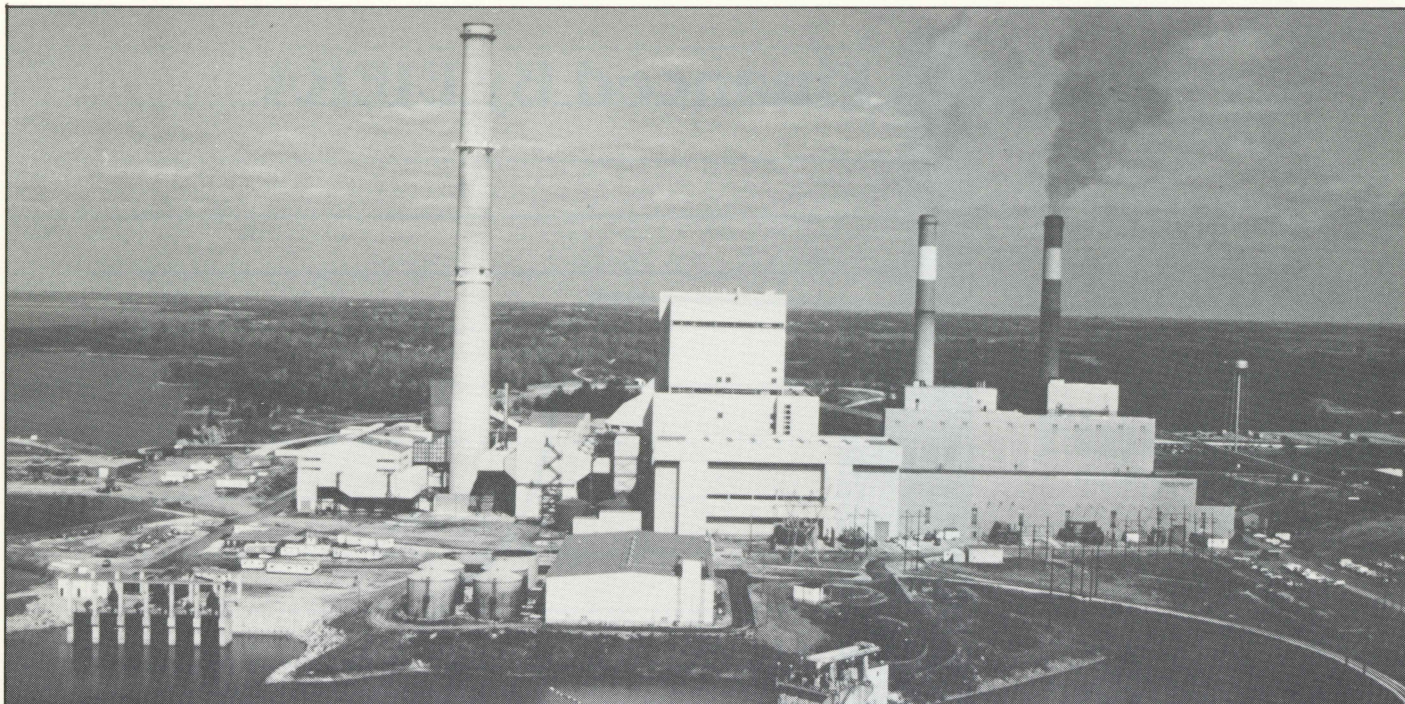
A program to encourage the funding of small but innovative projects was begun in 1985. The first two projects to be funded by the EI ERA were locally controlled, high-impact projects that provided direct assistance to Missouri communities.

The EI ERA awarded a \$72,909 grant to the Regional Recycling Program. The program serves 1.4 million people in the Kansas City area by providing information, workshops, and pamphlets on recycling. Additionally, the staff promotes recycling of aluminum, newspapers and motor oil. The authority also awarded a \$60,427 grant to the Missouri Assistance Program based in Clinton. This project provides direct assistance to small municipalities and sanitary sewer districts that do not have professional management services and who have to meet stringent water pollution guidelines.

For the past four years, the authority has provided \$10,000 to the St. Louis Regional Commerce and Growth Association for Missouri's contribution to the Midwest Industrial Waste Exchange.

The EI ERA has been instrumental in supporting resource recovery (trash-to-energy) projects and has provided direct development assistance to the cities of Springfield and Kansas City, and St. Louis County. Also, two multi-county organizations, a 10-county board based in Willow Springs and another located in Warrenton, have received



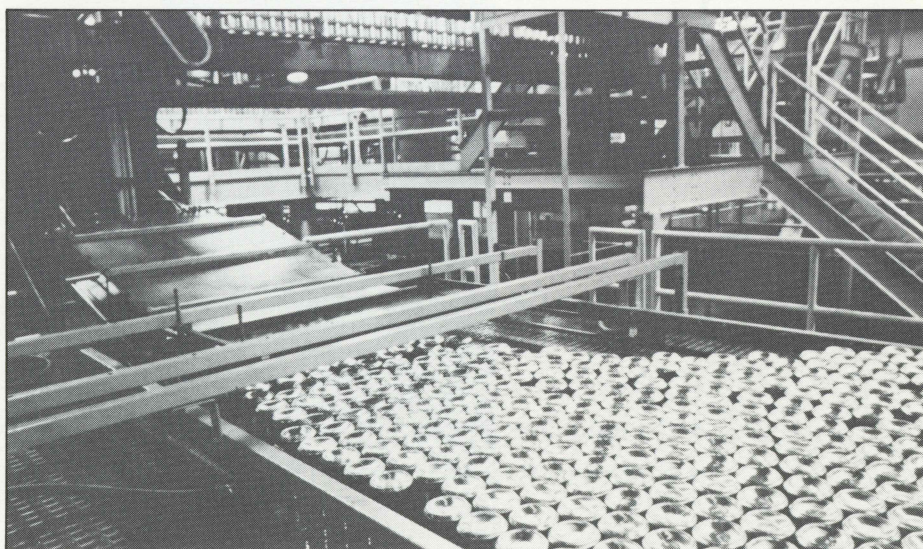
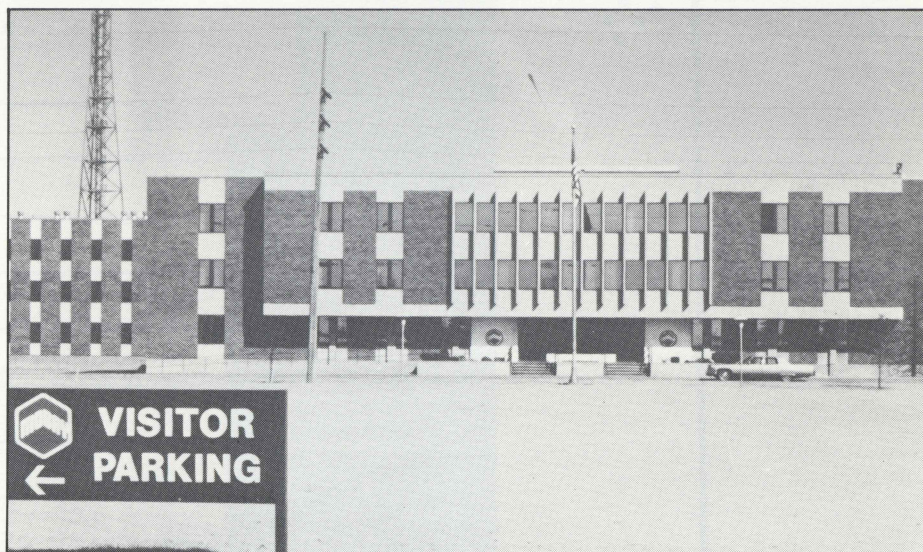


assistance and information regarding resource recovery facilities. Development and financing of these projects is a high priority of the authority and a great deal of time and legal assistance was provided to encourage the project sponsors.

The EIERA also worked closely with the Missouri Forest Products Association and other interested parties to develop Missouri's forest products industry. Low-cost financing and assistance has been provided to private industry and communities to develop forest and wood-waste resources.

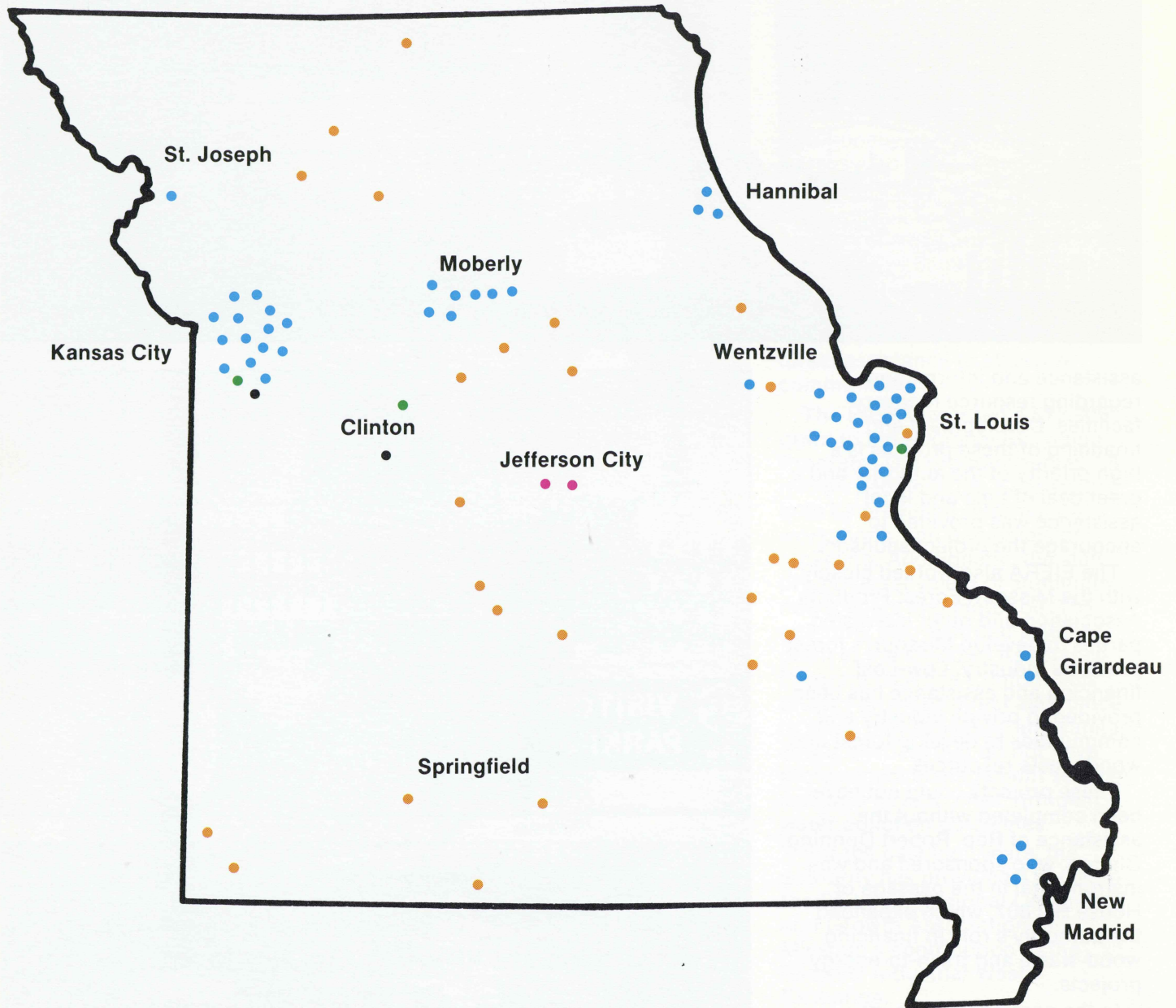
These projects could not have been completed without the assistance of Rep. Robert Dunning, Clinton, who sponsored and was instrumental in the passage of House Bill 807, which expanded the authority's role in financing wood-waste and trash-to-energy projects.

In the coming year, as in previous years, the Environmental Improvement and Energy Resources Authority will continue to assist those companies and communities that are seeking methods to prevent or control pollution. Additionally, projects that use the state's natural resources in a wise manner for the development of energy sources is one of the authority's top priorities.





# Projects Financed By EIERA



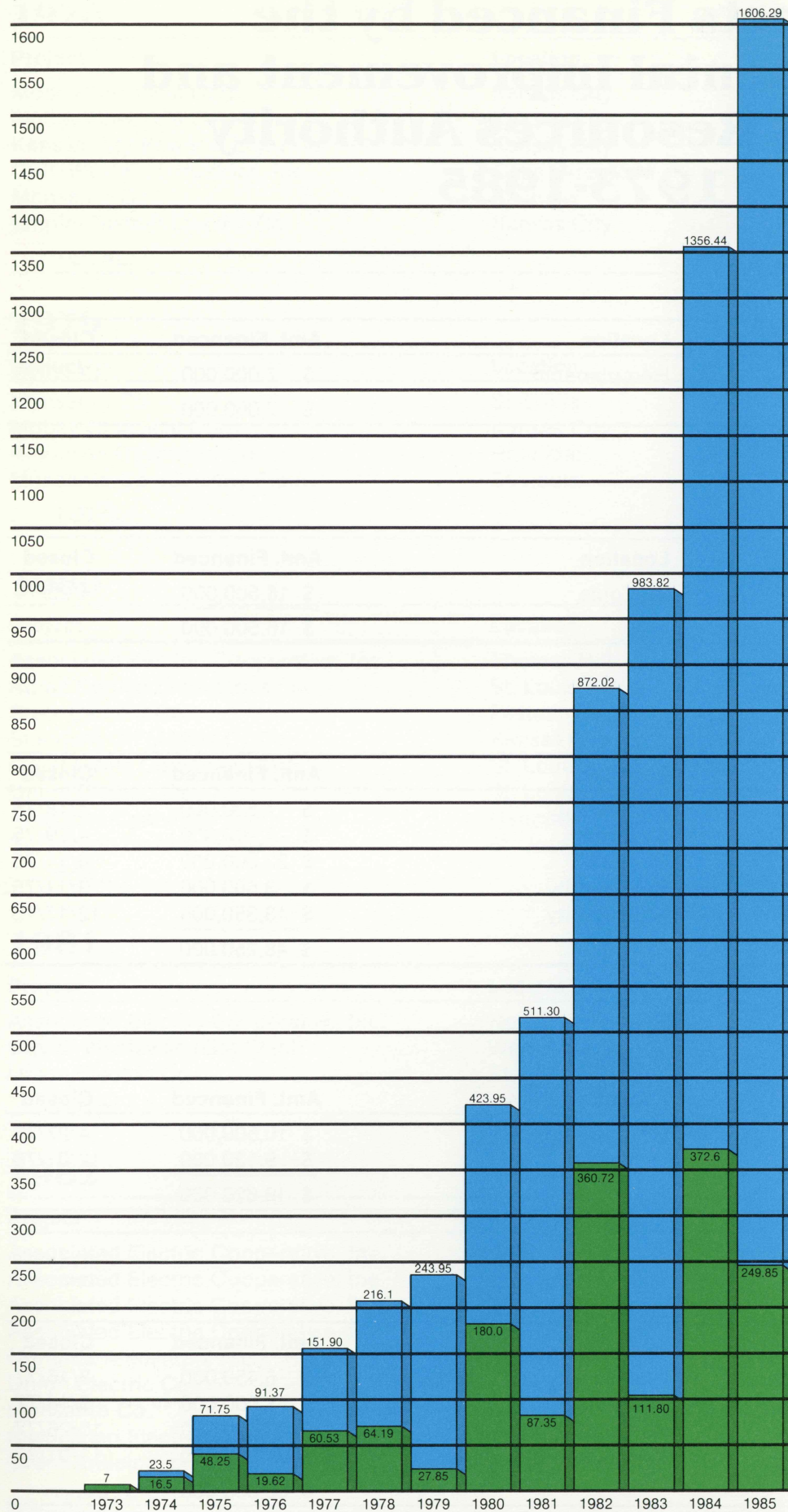
## Key

- Industrial Development Bond Financing
- Grant Anticipation Note/Wastewater Treatment Facility
- Statewide Research Project
- Contributions/Funding
- Recycling/Resource Recovery Assistance



(\$ millions)

## Cumulative Summary of Financings





# Projects Financed by the Environmental Improvement and Energy Resources Authority 1973-1985

## 1973

Project	Location	Amt. Financed	Closed
St. Joe Minerals Corp.	Herculaneum	\$ 7,000,000	12/20/73
TOTAL:		\$ 7,000,000	

## 1974

Project	Location	Amt. Financed	Closed
Union Electric Co.	St. Louis	\$ 16,500,000	4/25/74
TOTAL:		\$ 16,500,000	

## 1975

Project	Location	Amt. Financed	Closed
Mobay Chemical Corp.	Kansas City	\$ 7,500,000	4/18/75
Alpha Portland Industries, Inc.	St. Louis	\$ 1,900,000	4/29/75
Union Electric Co.	St. Louis	\$ 22,000,000	6/11/75
Mobay Chemical Corp.	Kansas City	\$ 3,500,000	9/11/75
Armco Corp.	Kansas City	\$ 13,350,000	12/17/75
TOTAL:		\$ 48,250,000	

## 1976

Project	Location	Amt. Financed	Closed
Noranda Aluminum Co.	New Madrid	\$ 10,500,000	4/27/76
American Cyanamid Co.	Hannibal	\$ 9,120,000	12/01/76
TOTAL:		\$ 19,620,000	

## 1977

Project	Location	Amt. Financed	Closed
Standard Oil (AMOCO) Co.	Kansas City	\$ 6,450,000	2/16/77
Great Lakes Carbon Corp.	St. Louis	\$ 7,000,000	9/14/77
Kansas City Power & Light Co.	Kansas City	\$ 20,000,000	10/26/77
Union Electric Co.	St. Louis	\$ 27,085,000	11/01/77
TOTAL:		\$ 60,535,000	



## 1978

Project	Location	Amt. Financed	Closed
Mobay Chemical Corp.	Kansas City	\$ 11,000,000	3/15/78
Mobay Chemical Corp.	Kansas City	\$ 825,000	5/10/78
Kansas City Power & Light Co.	Kansas City	\$ 31,000,000	7/19/78
Gulf+Western Industries, Inc.	Cape Girardeau	\$ 11,000,000	8/01/78
Monsanto Co.	St. Louis	\$ 2,370,000	8/03/78
Empire District Electric Co.	Kansas City	\$ 8,000,000	12/20/78
TOTAL:		\$ 64,195,000	

## 1979

Project	Location	Amt. Financed	Closed
Monsanto Co.	St. Louis	\$ 10,250,000	1/09/79
Mobay Chemical Corp.	Kansas City	\$ 11,000,000	4/18/79
American Cyanamid Co.	Hannibal	\$ 3,700,000	8/30/79
Monsanto Co. (Queeney Plant)	St. Louis	\$ 2,900,000	9/06/79
TOTAL:		\$ 27,850,000	

## 1980

Project	Location	Amt. Financed	Closed
Associated Electric Cooperative, Inc.	Thomas Hill	\$ 95,000,000	1/20/80
Alpha Portland Industries, Inc.	St. Louis	\$ 1,450,000	4/29/80
River Cement Co.	Festus	\$ 5,700,000	5/29/80
Standard Oil (AMOCO) Co.	Kansas City	\$ 8,300,000	7/22/80
Great Lakes Container Corp.	St. Louis	\$ 800,000	7/24/80
Union Electric Co.	St. Louis	\$ 60,000,000	8/20/80
American Cyanamid Co.	Hannibal	\$ 3,450,000	9/17/80
St. Joseph Light & Power Co.	St. Joseph	\$ 5,300,000	12/30/80
TOTAL:		\$180,000,000	

## 1981

Project	Location	Amt. Financed	Closed
Associated Electric Cooperative, Inc.	New Madrid	\$ 36,000,000	3/19/81
City of Wentzville (GM Plant)	Wentzville	\$ 6,350,000	5/08/81
Union Electric Co.	St. Louis	\$ 45,000,000	10/08/81
TOTAL:		\$ 87,350,000	

## 1982

Project	Location	Amt. Financed	Closed
Associated Electric Cooperative, Inc.	Thomas Hill	\$ 71,000,000	1/02/82
Associated Electric Cooperative, Inc.	Thomas Hill	\$ 50,000,000	2/21/82
Associated Electric Cooperative, Inc.	Thomas Hill	\$ 73,000,000	5/04/82
Associated Electric Cooperative, Inc.	Thomas Hill	\$ 12,000,000	8/18/82
Noranda Aluminum, Inc.	New Madrid	\$ 45,000,000	10/29/82
Union Electric Co.	St. Louis	\$ 20,000,000	12/15/82
Monsanto Co.	St. Louis	\$ 9,325,000	12/15/82
Associated Electric Cooperative, Inc.	Thomas Hill	\$ 55,900,000	12/16/82
Grant Anticipation Program, 1982	various locations	\$ 24,500,000	12/16/82
TOTAL:		\$360,725,000	



## 1983

Project	Location	Amt. Financed	Closed
St. Joseph Light & Power Co.	Kansas City	\$ 5,600,000	2/24/83
Community Development Program, 1983	various municipalities	\$ 18,000,000	10/27/83
Grant Anticipation Notes, 1983	various municipalities	\$ 44,100,000	11/17/83
Associated Electric Cooperative, Inc.	New Madrid	\$ 44,100,000	12/15/83
TOTAL:		\$111,800,000	

## 1984

Project	Location	Amt. Financed	Closed
Union Electric Co.	St. Louis	\$160,000,000	6/21/84
Lone Star Industries, Inc.	Cape Girardeau	\$ 9,100,000	7/17/84
Monsanto Co.	St. Louis	\$ 2,890,000	11/08/84
Union Electric Co.	St. Louis	\$ 47,500,000	11/14/84
Associated Electric Cooperative, Inc.	Thomas Hill	\$153,125,000	11/15/84
TOTAL:		\$372,615,000	

## 1985

Project	Location	Amt. Financed	Closed
Union Electric Co.	St. Louis	\$126,500,000	4/24/85
Community Development Program, 1985	various municipalities	\$ 15,000,000	6/11/85
Grant Anticipation, 1985	various municipalities	\$ 90,000,000	7/09/85
Chrysler Corp.	St. Louis	\$ 16,000,000	10/30/85
Mobay Chemical Corp.	Kansas City	\$ 1,600,000	12/05/85
Reynolds Metals Co.	Kansas City	\$ 750,000	12/31/85
TOTAL:		\$249,850,000	







*The new offices of the EIERA are housed on the 12th floor of the Jefferson Building, one block from the state capitol in downtown Jefferson City.*



**State Environmental Improvement  
and Energy Resources Authority**



**Missouri Department of Natural Resources**